Special Issue

Sea-Level Rise and Associated Potential Storm Surge Vulnerability

Message from the Guest Editors

Rapidly increasing global warming, induced by meteorological change, acted as a primary factor in the acceleration of sea-level rise (SLR) and has continuously caused diverse coastal hazards. Not only the non-linear increase in the mean SLR, but also the summertime SLR should be emphasized in the analyses of natural disasters on the coast, such as storm surges, wave overtopping, and coastal erosion/deposition due to repeated changes in the weather forces. Along with the rise in sea levels, people around the world should seek effective countermeasures against coastal vulnerabilities that appear as the final change in climate factors.

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Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

Editor-in-Chief

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